SONY VAIO

VGN-FE890 CTO Series

VAIO® FE Series Notebook PC

Powerful entertainment and computing performance.

CUTTING-EDGE PERFORMANCE

The VAIO® FE Notebook comes with an optional Intel® Centrino® Duo platform with an optional Intel® Core™ 2 Duo processor for outstanding multi-tasking performance. It also boasts hardware solutions to power you through your most demanding tasks, including a configurable super-fast 5400rpm Serial ATA hard drive and advanced DDR2 memory for ultra high-speed computing with low power consumption.

EXCEPTIONAL ENTERTAINMENT EXPERIENCE

The VAIO® FE Notebook features a wider, brighter 15.4" widescreen display[11] with XBRITE-HiColor™ or XBRITE-ECO™ LCD technology. Screen movies with extraordinary color purity and saturation, even in the bright light of day.

CONNECTIVITY FOR ALL YOUR NEEDS

The VAIO® FE Notebook supports ExpressCard™, an emerging standard in smaller, faster PC card solutions. The VAIO FE also includes S-video, enabling convenient connectivity to TVs, cameras, projectors and more, while integrated 802.11a/b/g/ wireless LAN[3] makes it possible for you to easily connect to a broad range of networks and peripherals both inside and outside of the office.

MESSAGING

Increase your connectivity options with 802.11a/b/g integrated wireless LAN[3].
Integrated camera and microphone lets you chat and video mail with family and friends[12].
Enjoy thrilling graphics and exceptional DVD viewing with 15.4" widescreen[11] display with XBRITE-HiColor™ or XBRITE-ECO™ LCD technology.
Cutting-edge mobile performance with optional Intel® Centrino® Duo with Intel® Core™ 2 Duo processor.
Edit and burn customized DVDs when you select the DVD±R Double Layer/DVD±RW drive[4] and Click to DVD® software.

Work and play go hand-in-hand with the VAIO® FE Notebook, combining cutting-edge performance with ample workspace while maintaining a slim, lightweight design. With an optional super-fast Intel® Core™ 2 Duo processor and a stunning 15.4" widescreen display[11], you can take full advantage of Windows Vista™ Home Premium or Business and exceptional picture and sound.

intel Centrino Duo Core 2 Duo inside

Windows Vista Business

Windows Vista Home Premium

Bluetooth

XBRITE-ECO™

like.no.other™

VGN-FE890 CTO Series

VAIO® FE Series Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Portable
Action Buttons: S1, S2 (programmable), Volume and Mute

Hardware

Pointing Device: Electro-Static touch pad
Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch
Camera: Built-in camera and microphone

Processor

Type: Intel® Core™ 2 Duo Processor T7600 (Configuration 1),
Intel® Core™ 2 Duo Processor T7400 (Configuration 2),
Intel® Core™ 2 Duo Processor T7200 (Configuration 3),
Intel® Core™ 2 Duo Processor T5600 (Configuration 4),
Intel® Core™ 2 Duo Processor T5500 (Configuration 5),
Intel® Pentium® dual-core Processor T2060 (Configuration 6),
Intel® Celeron® M Processor 440(Configuration 7) or
Intel® Celeron® M Processor 430(Configuration 8)
Speed: 2.33GHz[1] (Configuration 1),
2.16GHz[1] (Configuration 2),
2GHz[1] (Configuration 3),
1.83GHz[1] (Configuration 4),
1.66GHz[1] (Configuration 5),
1.60GHz[1] (Configuration 6),
1.86GHz[1] (Configuration 7) or 1.73GHz[1] (Configuration 8)
Front Side Bus Speed: 667MHz (Configuration 1-5) or
533MHz (Configuration 6-8)
L2 Cache: 4MB Advanced Smart Cache (Configuration 1-3),
2MB (Configuration 4-5) or
1MB (Configuration 6-7)
Technology: Intel® Centrino® Duo Mobile Technology (Only available on Configuration 1-5)

Memory

Type: DDR2
Installed: 2GB (1GBx2) PC2-4200, 1GB (1GBx1) PC2-4200 or 1GB (512MBx2) PC2-4200
Maximum: 2GB
Speed: 667MHz

Hard Drive

Capacity: 200GB[2] (Configuration 1),
160GB[2] (Configuration 2),
120GB[2] (Configuration 3),
100GB[2] (Configuration 4),
80GB[2] (Configuration 5) or 60GB[2] (Configuration 6)
Speed: 4200rpm (Configuration 1-2) or
5400rpm (Configuration 3-7)
Interface: Serial ATA

Optical Drive #1

DVD+R DL Write: 4x max. (DVD±R DL/DVD±RW)
DVD+R Write: 8x max. (DVD±R DL/DVD±RW)
DVD+RW Write: 8x max. (DVD±R DL/DVD±RW)
DVD-R Write: 8x max. (DVD±R DL/DVD±RW)
DVD-RW Write: 6x max. (DVD±R DL/DVD±RW)
CD-R Write: 24x max. (DVD±R DL/DVD±RW)
24x max. (CD-RW/DVD-ROM)
CD-RW Write: 16x max.(DVD±R DL/DVD±RW)
16x max. (CD-RW/DVD-ROM)
DVD±RW: Yes[4] (DVD±R DL/DVD±RW)
CD Read: 24x max. (DVD±R DL/DVD±RW)
24x max. (CD-RW/DVD-ROM))
DVD Read: 8x max. (DVD±R DL/DVD±RW)
8x max. (CD-RW/DVD-ROM)
DVD-R DL Write: 4x max. (DVD±R DL/DVD±RW)

Expansion Slots

Multimedia Card Reader: Memory Stick Duo™ media with MagicGate® functionality
ExpressCard™ /34 Slot: 5-in-1 Memory Card Adaptor (VGP-MCA20) supporting Memory Stick® media, Memory Stick PRO™ media, Secure Digital, xD-Picture Card, and MultiMediaCard (MMC)
PCMCIA - Type II/Type I card slot with CardBus support

Audio

Sound System: Sony® Sound Reality™ - Audio Enhancer

Display

Screen or Display Technology: WXGA LCD
Screen Size: 15.4"[11]
Resolution: 1280 x 800
XBRITE HiColor™ Technology: Optional
XBRITE-ECO™ Technology: Optional (Gray option only available with XBRITE-ECO™ Technology)

Graphics

Processor: Intel® Graphics Media Accelerator 950, NVIDIA® GeForce® Go 7600 notebook graphics processing unit (GPU) or NVIDIA® GeForce® Go 7400 graphics processing unit (GPU)
Video RAM: 224MB Total Available Graphics Memory[13] (Intel® GMA 950),
399MB Total Available Graphics Memory[13] (NVIDIA® GeForce Go 7600 - available with 2GB memory option),
383MB Total Available Graphics Memory[13] (NVIDIA® GeForce Go 7600 - available with 1GB memory option),
335MB Total Available Graphics Memory[13] (NVIDIA® GeForce Go 7400 - available with 2GB memory option) or
319MB Total Available Graphics Memory[13] (NVIDIA® GeForce Go 7400 - available with 1GB memory option)
Chipset: Intel® 945GM or Intel® 945PM
Interface: VGA Out with Smart Display Sensor

Inputs and Outputs

Ethernet Port: 1
Headphone Jack: 1
Memory Stick® Media Slot: 1
Modem Jack: 1
Microphone Input: 1
Port Replicator Connector(s): 1
S-Video Output(s): 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
Express Card™ Slot: /34 x 1
i.LINK® Connection: 1(4-pin) interface[6]

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX
Modem Type: Integrated V.92/V.90 Modem (RJ-11)
Wireless LAN: Intel® PRO/Wireless 3945ABG Network Connection (802.11a/b/g)[3]
Bluetooth® Technology: Optional Integrated Bluetooth® technology[5]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS2B) or Large Capacity Battery (VGP-BPL2C)
Estimated Battery Life: TBD hours[7]
Power Requirements: 110W+10%

Software

Operating System: Windows Vista™ Home Premium or Windows Vista™ Business
Internet Services: AOL® 90-Day Risk Free Trial - New Users Only
Supplied Software: Microsoft® Works 8.5
60-Day Trial Version of Microsoft® Office 2007[10]
Sony® Original Software: Click to DVD®- DVD Creation
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.
Security and Anti-Virus Software: Norton® Internet Security™ 2007 60-Day trial with spyware protection.

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[9]
Limited Warranty and Onsite Service: 1 Year Limited Warranty with Onsite Service[8]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO

Dimensions

Weight: 6.17 lbs. with standard battery (weight is approximate and may vary)
Measurements: 14.41"(W) x 1.02"-1.39"(H) x 10.81"(D)

Supplied Accessories

Standard Lithium-ion battery (VGP-BPS2B) or Large Capacity Lithium-ion battery (VGP-BPL2C)
AC adapter (VGP-AC19V13)
Memory Card Adapter (VGP-MCA20)
Power Cord

Optional Accessories

Multi Function Docking Station (VGP-PRFE1)
Multi Function Bay Drive, 4 USB 2.0, GB Ethernet, DVI-D, VGA out, RCA Video out, S-Video out and Kensington lock
Additional Standard Capacity Battery (VGP-BPS2C)
Large Capacity Battery (VGP-BPL2C)
AC Adapter (VGP-AC19V10)
Battery Charger (VGP-BC1)
Wireless Presentation Mouse (VGP-WMS50)
Neoprene Notebook & AC Adapter (VGP-AMC3)

Color: Charcoal Gray, White

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires compatible wireless LAN access point(s). Some features may rely on Internet service which may require a fee.
4. DVD Media/Formats are not universally compatible.
5. Interoperability among Bluetooth® devices varies.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns, battery and environmental conditions.
8. When available, Sony will provide Onsite Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite Service may not be available in all locations.
9. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
10. The Microsoft Office 2007 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.
11. Viewable area measured diagonally.
12. Broadband Internet service required along with third-party services which may require a subscription fee or other service fee.
13. Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory vaires depending on the operating condition and system memory size.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.

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